

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-384-2  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

ENGELHARD CORPORATION  
CMX CONVERTER MUFFLER

Pursuant to the authority vested in the Air Resources Board (ARB) by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That installation of the CMX Converter Muffler, manufactured by Engelhard Corporation of 101 Wood Avenue, P.O. Box 770, Iselin, New Jersey 08830-0770, has been found not to reduce the effectiveness of the applicable vehicle pollution control system, and therefore, the CMX Converter Muffler listed below is exempt from the prohibitions of Section 27156 of the Vehicle Code for installation on 1983 model-year Maschinenfabrik Augsburg-Nurnberg AG (M.A.N.) 2566 MLUM 4-stroke heavy-duty diesel engines:

<u>CMX Kit No.</u>	<u>Application</u>
CMX-0108	M.A.N. Direct Replacement
CMX-0008	M.A.N. Articulated Street Exhaust

This exemption is based on emission tests conducted by Engelhard Corporation on various 4-stroke heavy-duty diesel engines. Engelhard Corporation submitted the following federal transient heavy-duty diesel engine test results for a 1987 model-year Cummins Engine Company, Inc. L-10 270 horsepower engine:

	HC	CO	NOx	PM
	<u>(grams per brake horsepower-hour)</u>			
Baseline	1.689	2.472	5.468	0.491
With Converter	1.009	1.906	5.195	0.333

The test data show that the CMX Converter Muffler did not adversely affect the exhaust emissions of the Cummins L-10 engine. The same emissions impact is expected when the CMX Converter Muffler is installed on the engines for which the exemption is requested.

ENGELHARD CORPORATION  
CMX CONVERTER MUFFLER  
KIT NOS. CMX-0108 & CMX-0008

EXECUTIVE ORDER D-384-2  
(Page 2 of 2)

This Executive Order is valid provided that installation instructions for the CMX Converter Muffler not recommend tuning the vehicle to specifications different from those submitted by the vehicle manufacturer.

Changes made to the design or operating conditions of the CMX Converter Muffler, as exempt by the ARB, which adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the CMX Converter Muffler using an identification other than that shown in this Executive Order or for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB.

In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222 et seq.

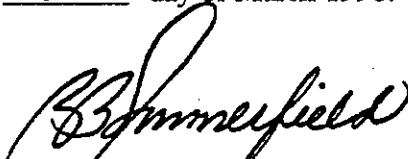
This Executive Order does not constitute any opinion as to the effect the use of the CMX Converter Muffler may have on any warranty either expressed or implied by the vehicle manufacturer.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF ENGELHARD CORPORATION'S CMX CONVERTER MUFFLER.

No claim of any kind, such as "Approved by the Air Resources Board," may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order. The Executive Order may be revoked only after a ten-day written notice of intention to revoke the Executive Order, in which period the holder of the Executive Order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the Executive Order may not be revoked until a determination after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 19<sup>th</sup> day of March 1998.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division